20070706550h001

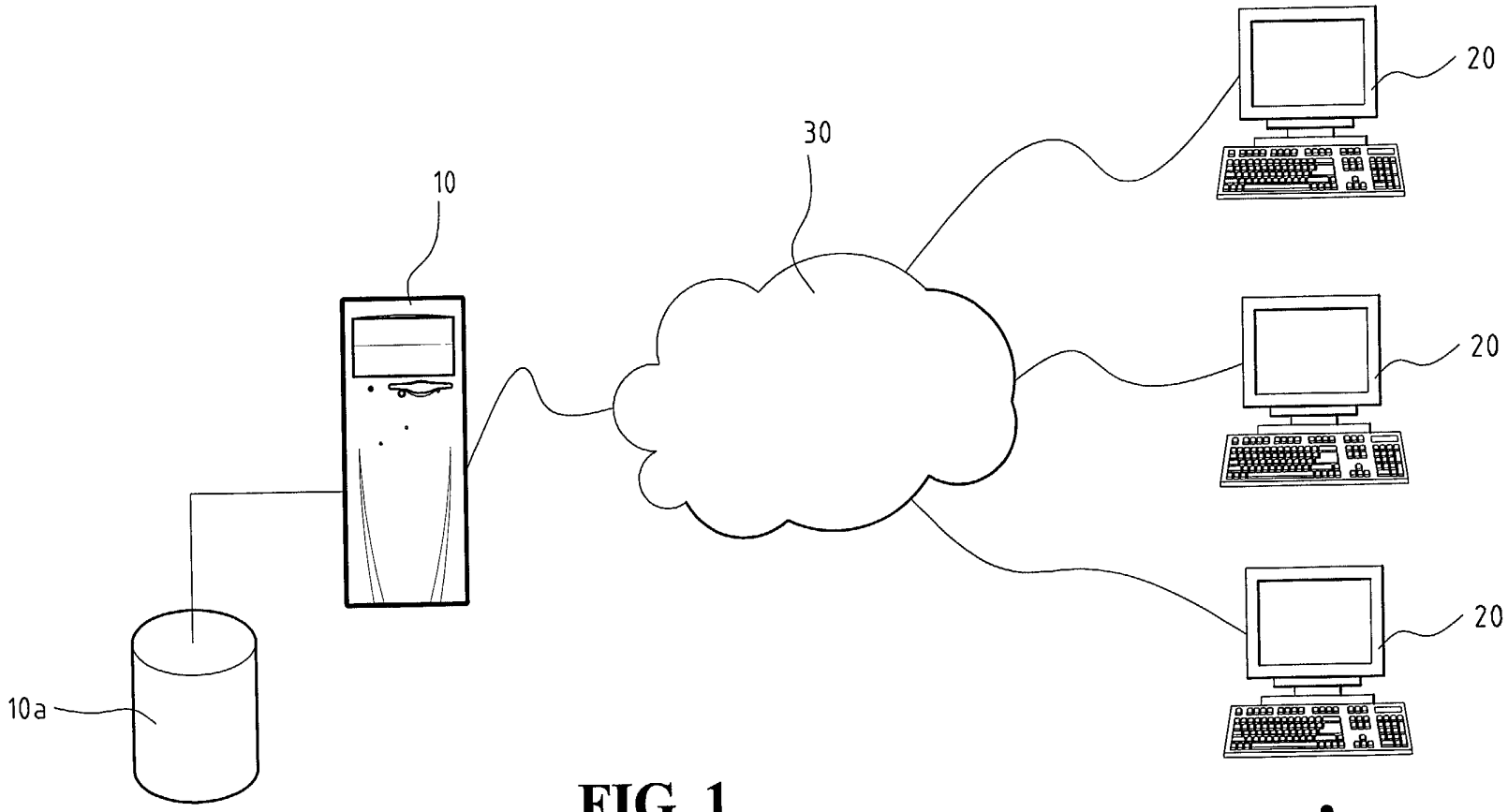

FIG. 1

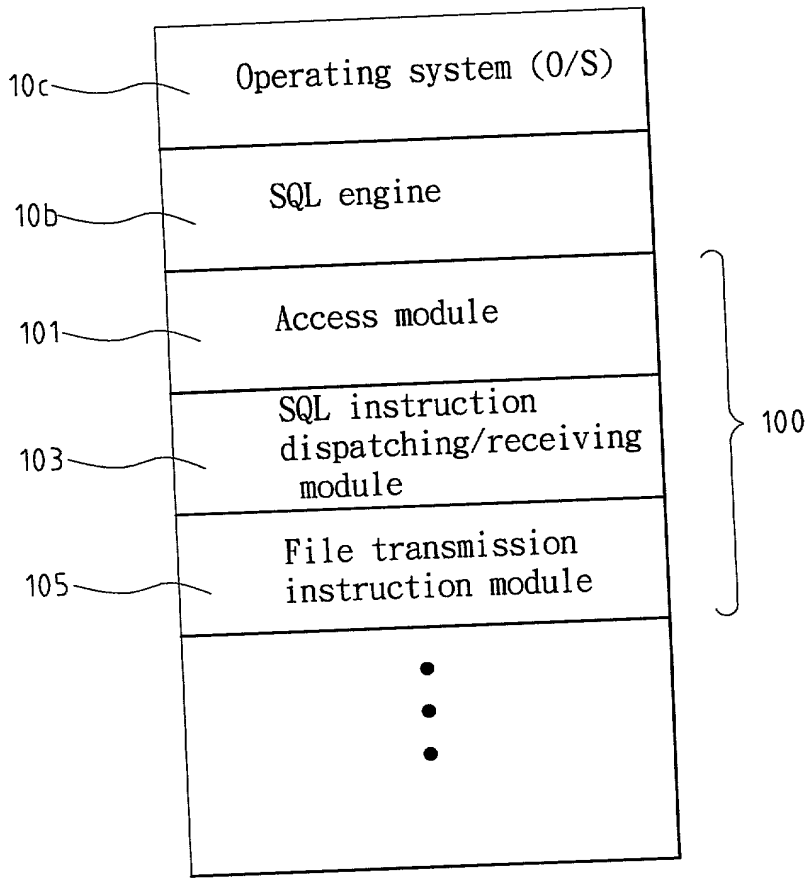
Operating system (O/S)
SQL engine
Access module
SQL instruction dispatching/receiving module
File transmission instruction module
10c
10b
101
103
105
100

FIG. 2

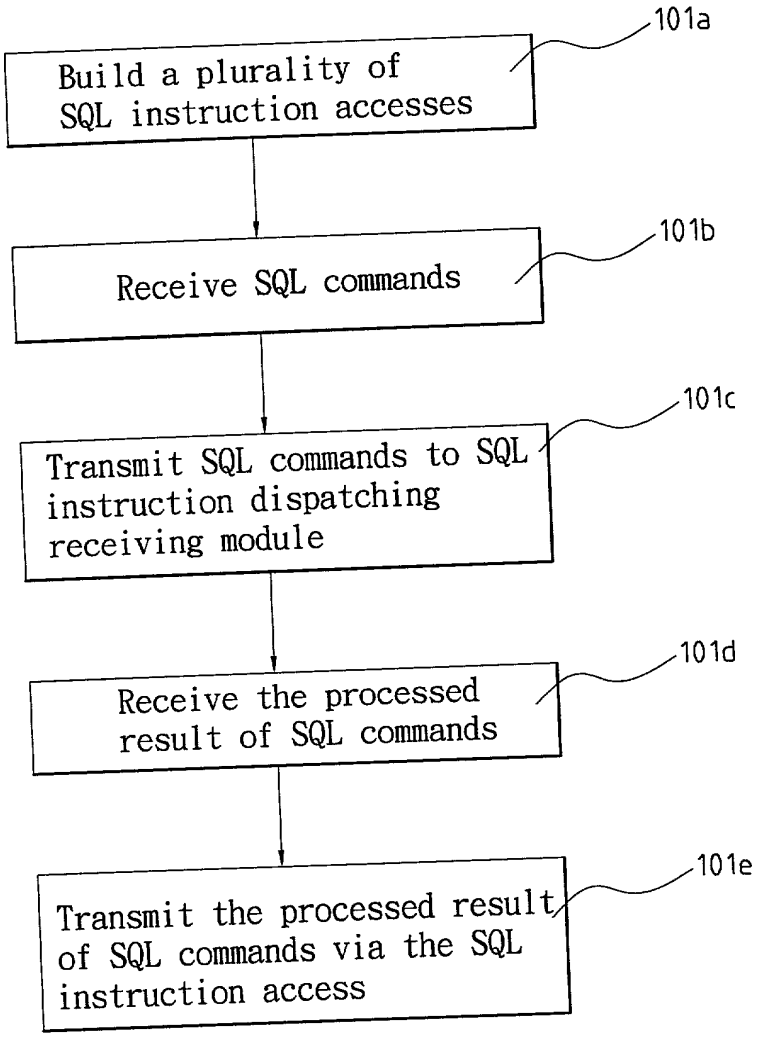
Build a plurality of SQL instruction accesses
101a
Receive SQL commands
101b
Transmit SQL commands to SQL instruction dispatching receiving module
101c
Receive the processed result of SQL commands
101d
Transmit the processed result of SQL commands via the SQL instruction access
101e

FIG. 3A

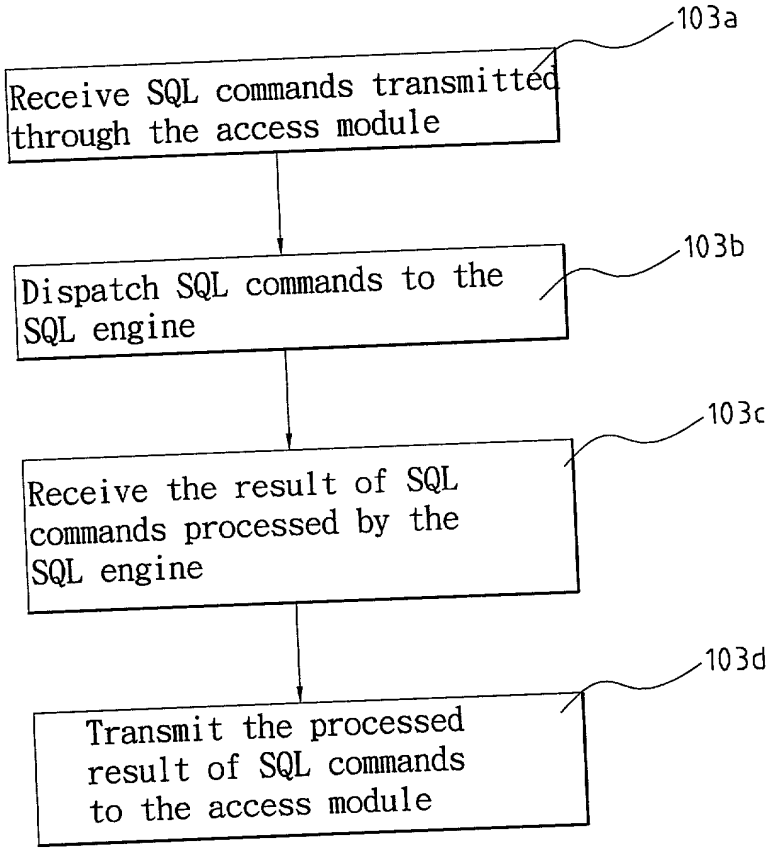
103a
Receive SQL commands transmitted through the access module
103b
Dispatch SQL commands to the SQL engine
103c
Receive the result of SQL commands processed by the SQL engine
103d
Transmit the processed result of SQL commands to the access module

FIG. 3B

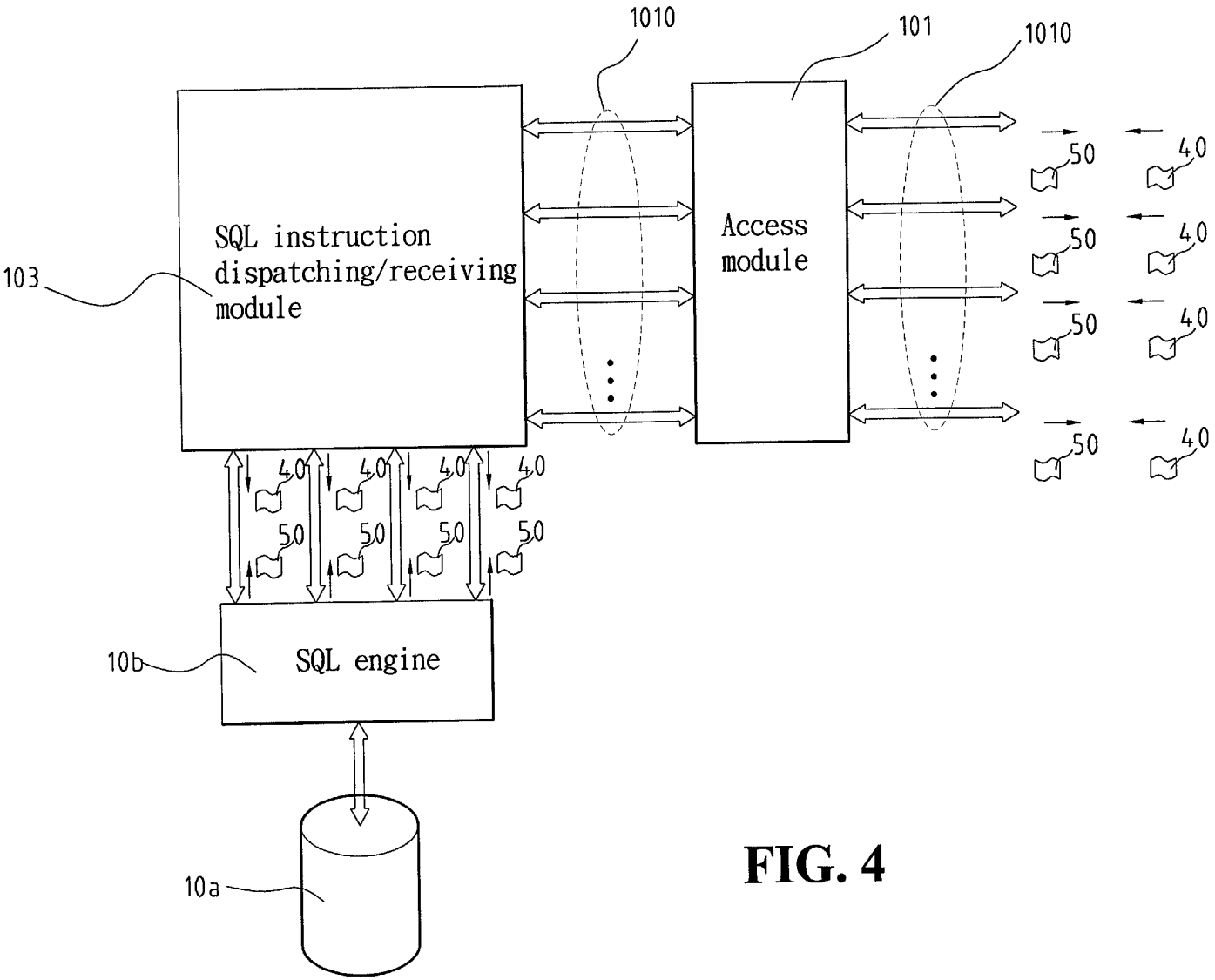
1010
101
1010
SQL instruction dispatching/receiving module
103
Access module
50
40
SQL engine
10b
10a

FIG. 4

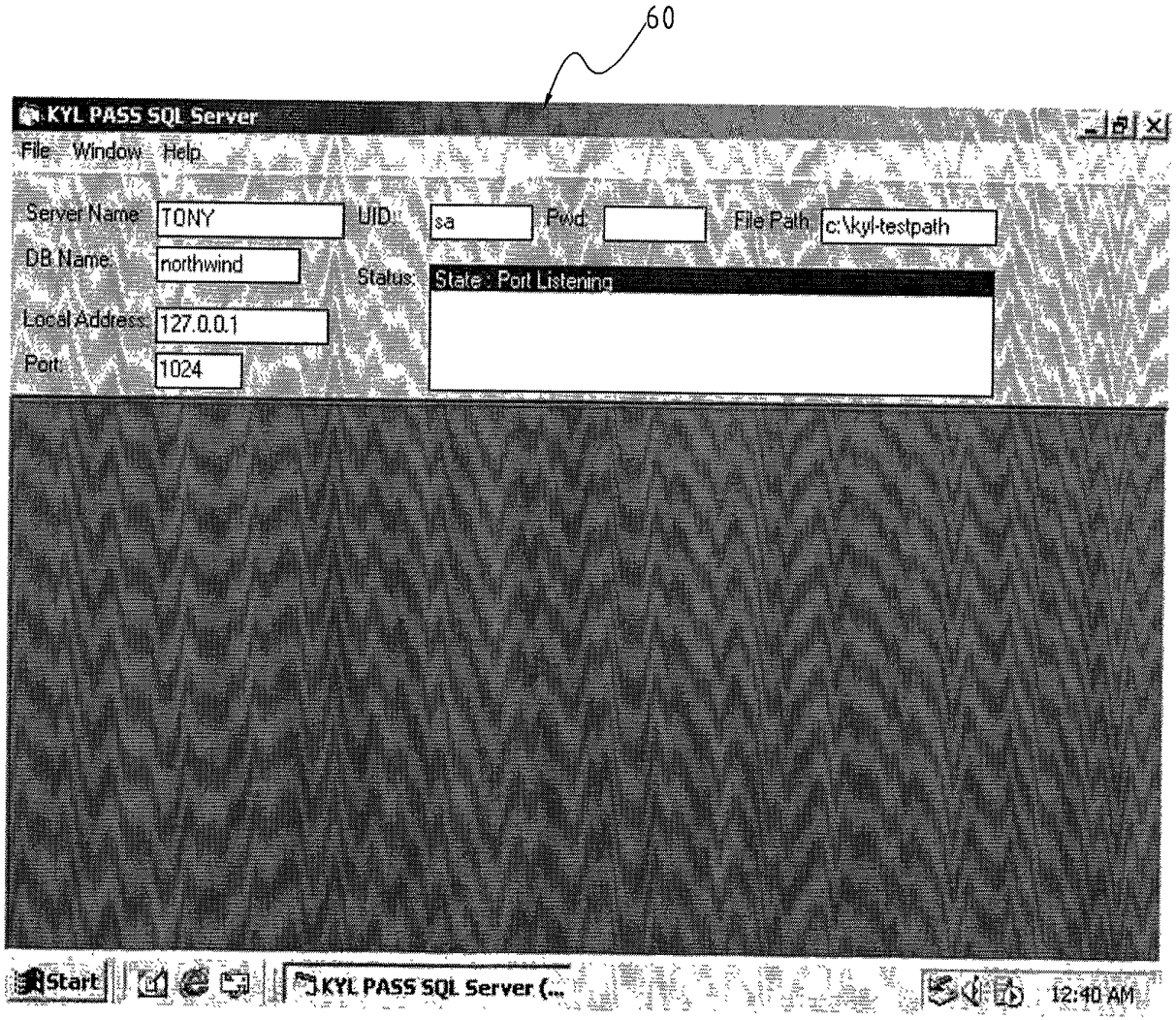
60
KYL PASS SQL Server
File Window Help
Server Name: TONY
UID: sa
Pwd:
File Path: c:\kyl-testpath
DB Name: northwind
Status:
State : Port Listening
Local Address: 127.0.0.1
Port: 1024
Start
KYL PASS SQL Server (...
12:40 AM

FIG. 5

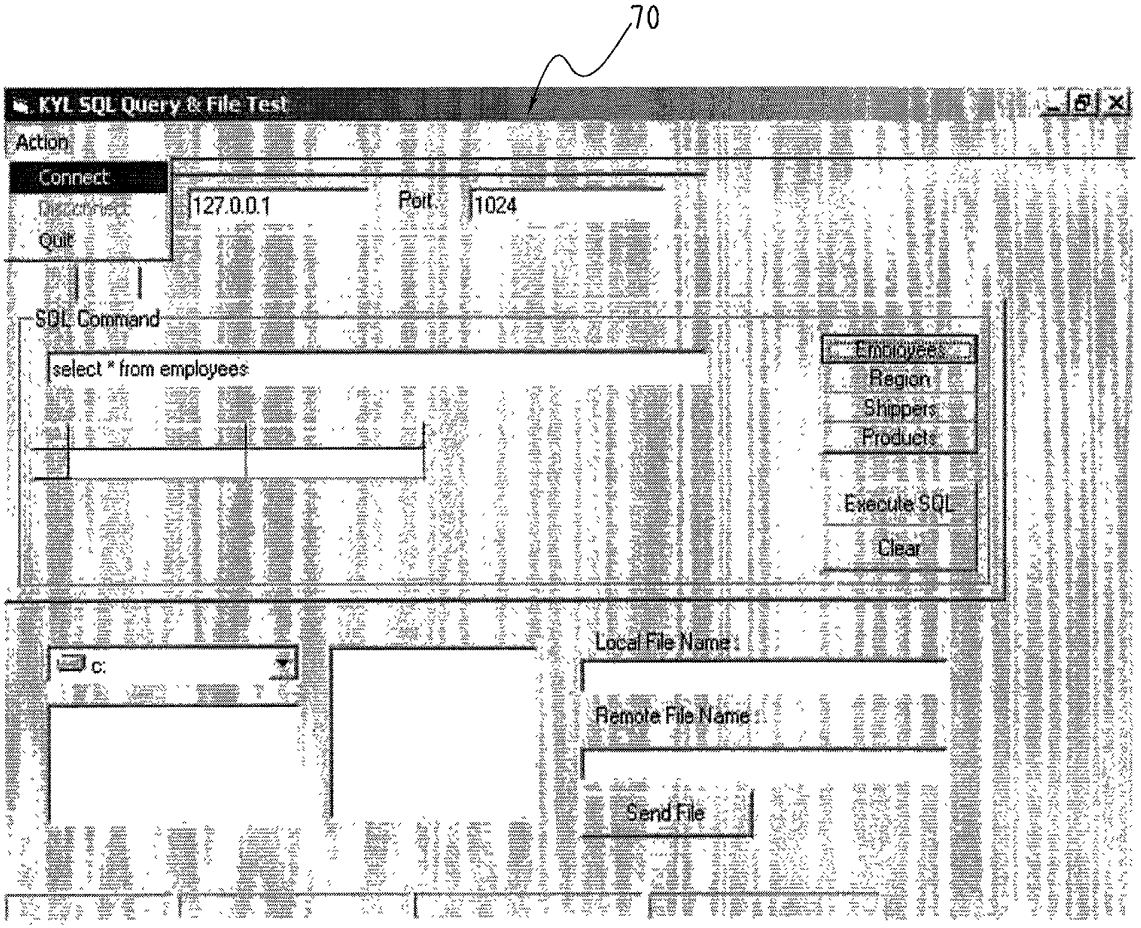
70
KYL SQL Query & File Test
Action
Connect
Disconnect
Quit
127.0.0.1
Port
1024
SQL Command
select * from employees
Employees
Region
Shippers
Products
Execute SQL
Clear
c:
Local File Name :
Remote File Name :
Send File

FIG. 6

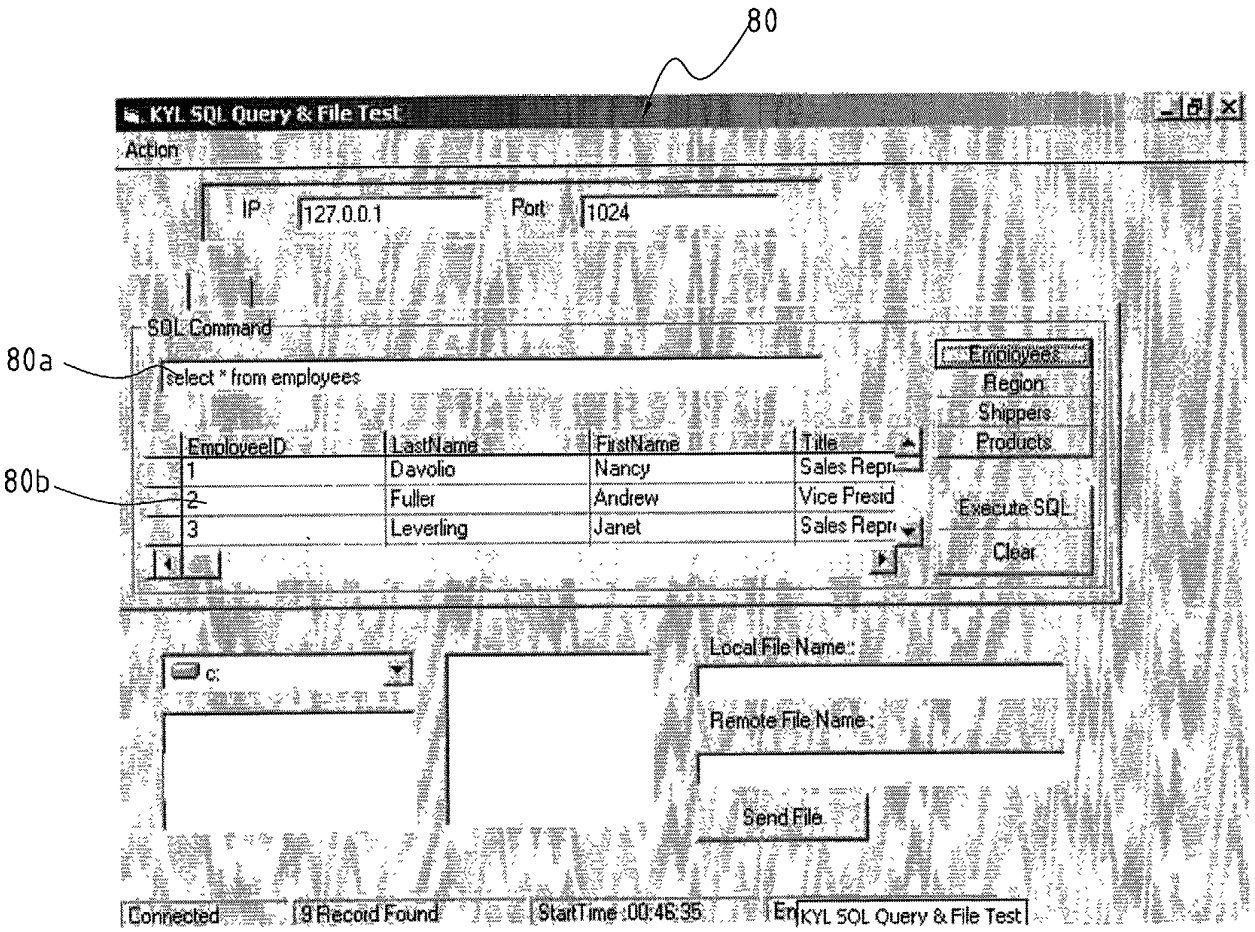
80
KYL SQL Query & File Test
Action
IP
127.0.0.1
Port
1024
SQL Command
80a
select * from employees
Employees
Region
Shippers
Products
80b
EmployeeID
LastName
FirstName
Title
1
Davolio
Nancy
Sales Repr
2
Fuller
Andrew
Vice Presid
3
Leverling
Janet
Sales Repr
Execute SQL
Clear
c:
Local File Name:
Remote File Name:
Send File
Connected
9 Record Found
StartTime :00:46:35
KYL SQL Query & File Test

FIG. 7A

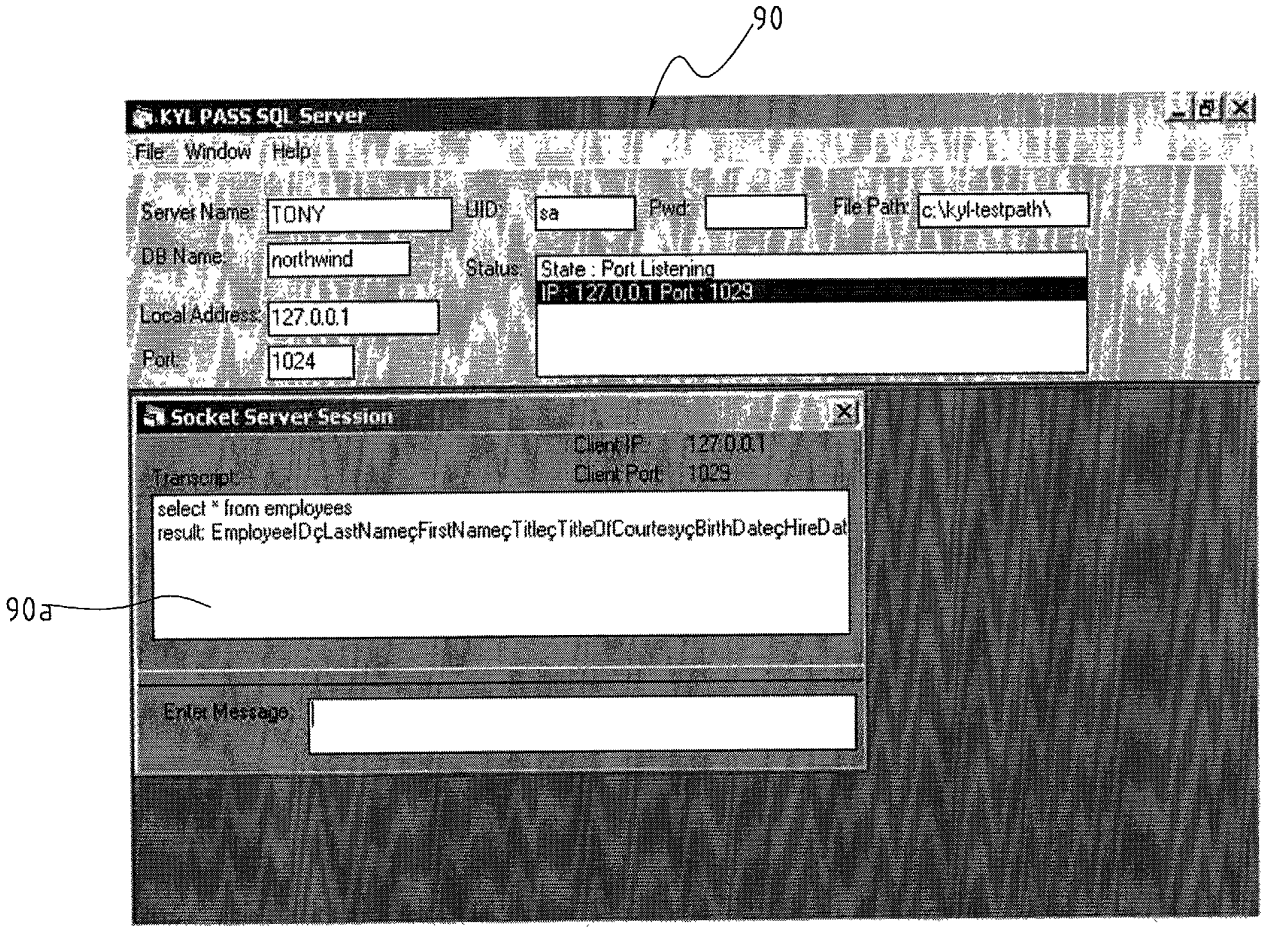
90
KYL PASS SQL Server
File Window Help
Server Name: TONY
UID: sa
Pwd:
File Path: c:\kyl-testpath\
DB Name: northwind
Status: State : Port Listening
IP : 127.0.0.1 Port : 1029
Local Address: 127.0.0.1
Port: 1024
Socket Server Session
Client IP 127.0.0.1
Client Port 1029
Transcript
select * from employees
result: EmployeeID;LastName;FirstName;Title;TitleOfCourtesy;BirthDate;HireDat
90a
Enter Message

FIG. 7B

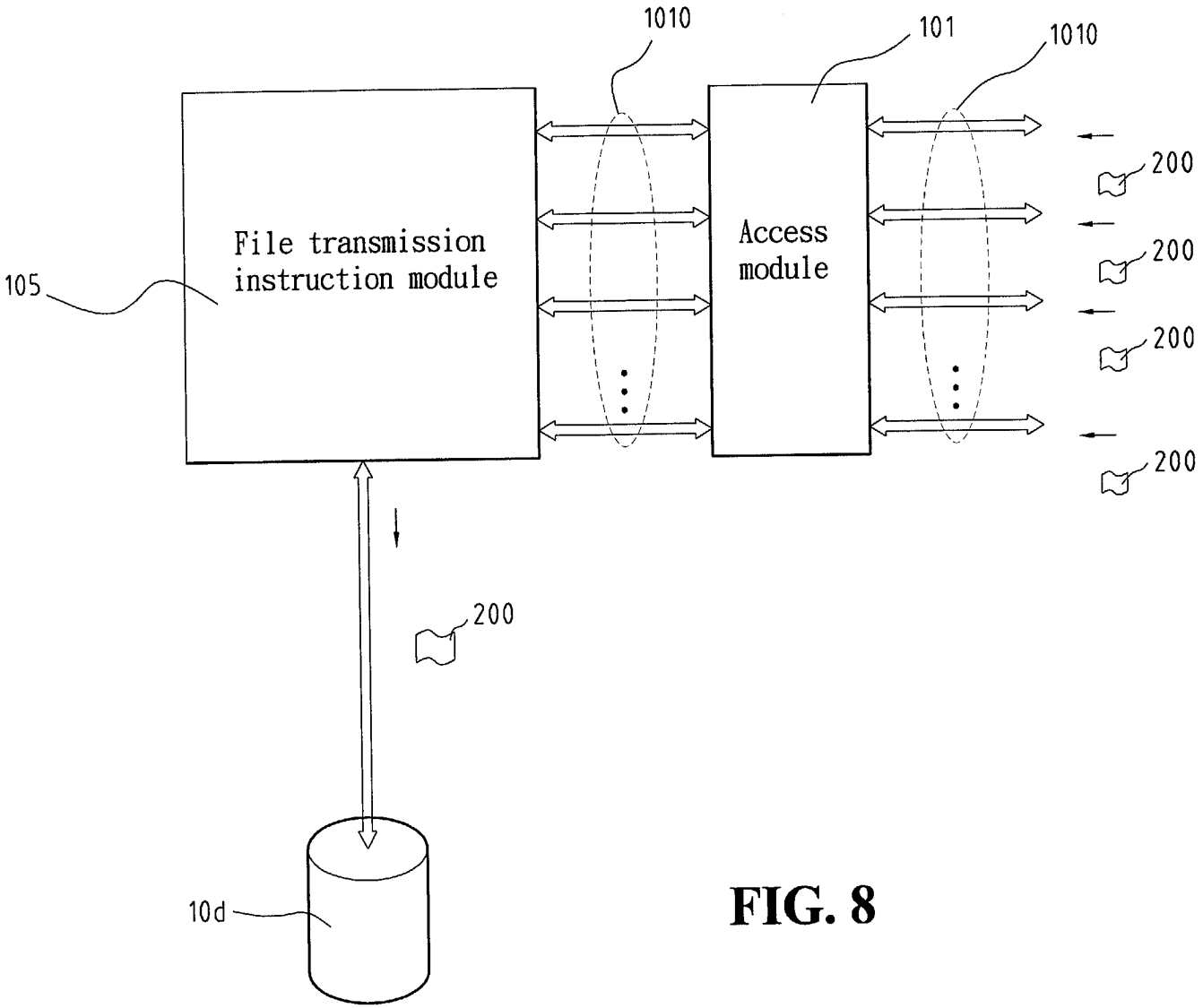
1010
101
1010
File transmission instruction module
105
Access module
200
200
200
200
200
10d

FIG. 8

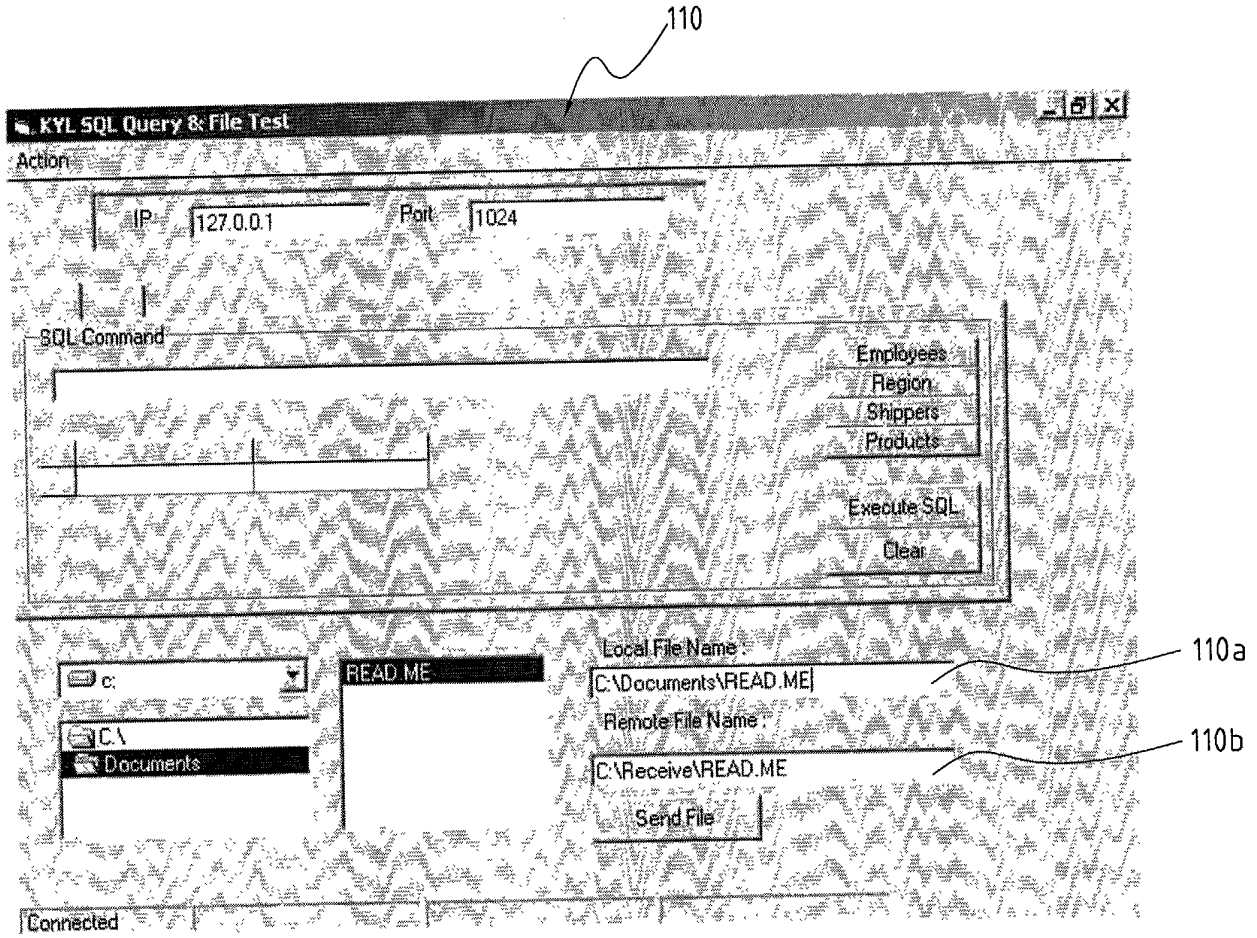
110
KYL SQL Query & File Test
Action
IP
127.0.0.1
Port
1024
SQL Command
Employees
Region
Shippers
Products
Execute SQL
Clear
c:
C:\
Documents
READ.ME
Local File Name
C:\Documents\READ.ME
Remote File Name
C:\Receive\READ.ME
Send File
Connected
110a
110b

FIG. 9A

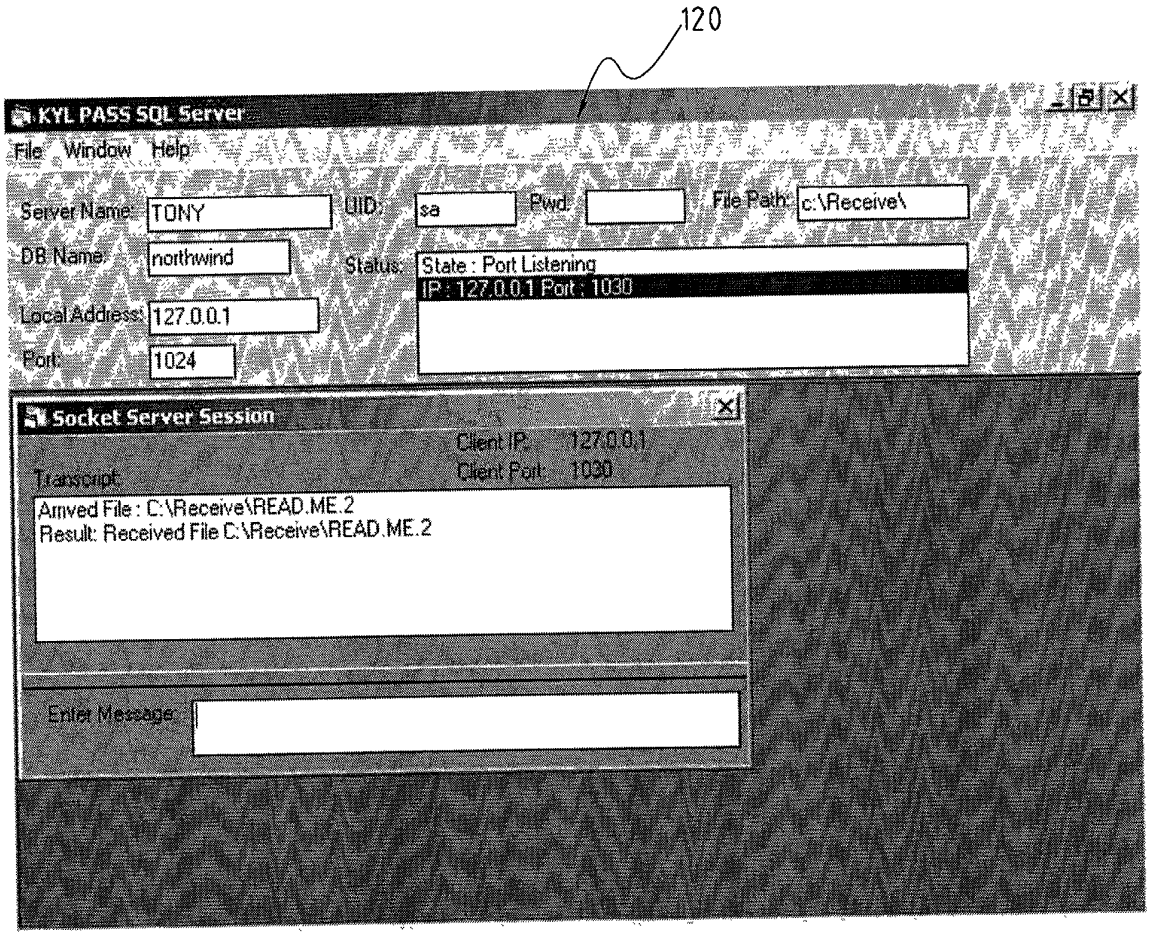
120
KYL PASS SQL Server
File Window Help
Server Name: TONY
UID: sa
Pwd:
File Path: c:\Receive\
DB Name: northwind
Status: State : Port Listening
IP : 127.0.0.1 Port : 1030
Local Address: 127.0.0.1
Port: 1024
Socket Server Session
Client IP: 127.0.0.1
Client Port: 1030
Transcript:
Arrived File : C:\Receive\READ.ME.2
Result: Received File C:\Receive\READ.ME.2
Enter Message:

FIG. 9B